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Using the Diamond Drilling Machine

- Wear protective equipment including ear defenders and goggles. 1.
- 2 Check there are no hidden cables or pipes before drilling.
- If core drilling into a slab or block of masonry that is not yet part of a fixture, it should be securely 3 clamped or held in a vice.
- Always grasp the machine with two hands on the handles provided. The on/off switch can be controlled with either the right or left hand.
- Do not try to change speed or direction of rotation of the core drill or switch the hammer action 5. on or off while the machine is running.
- Keep the core drill rotating while drilling and when withdrawing the drill bit. 6.
- When withdrawing the drill bit on completion of drilling the hole, take care that the core of 7. masonry which may inside the core drill does not fall out injuring feet.
- 8 Stop the machine and unplug before removing the core of masonry or any rubble from inside the core drill.
- g Keep the cable clear of the core drill and any sharp edges on the work.
- If the cable appears to be cut or damaged in any way, switch off the machine and unplug at the mains before inspecting it. If the cable attached to the diamond drilling machine is damaged stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
- 11. Take care not to accidentally pull the plug from the socket.
- 12. Switch off and remove the plug from the socket before leaving the diamond drilling machine unattended
- 13. If the equipment does not work properly, do not attempt to repair it. Contact the hire company. Keep this leaflet safe as it may be required for reference at a future date



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Fusure any extension cable connections are dry and

places where vehicles might run over it. Unroll it fully

Lay it out carefully avoiding liquids, sharp edges

It an extension cable is required, tollow any special

Use the "TEST" button to check the RCD is working each time it is used. Reset the RCD according to the

ent guld

Ensure any extension cable connections are dry and

trapped and places where vehicles might run over it.

ευστρ edges, doorways or windows where it might be

Lay the extension cable out carefully avoiding liquids,

extension cable must only be used between the

be used, not longer than 50 metres (160 feet). The

instructions given by the hire company. If the hir company have not given any special instructions,

If an extension cable is required, follow any special

Unroll it fully or it will overheat and could catch fire.

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tructions supplied with it.

if the cable or machine is damaged.

help protect against electric shock

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ett ofin the directly into the

230 ИОLT ЕQUIPMENT (SQUARE PIN OR BLUE PLUG)

Use a residual current device

transformer and the machine.

230 volt socket.

rated extension cable of no longe



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Read the instructions below for the machine. fitted or a blue industrial plug.

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230v machines will have either a normal square pin piug 110v machines will have a yellow industrial plug fitted.

The machine will only operate on one voltage: 110v or 230v YTERCAL SAFETY

- τιτηθα οτι (water tap/valve τυτηθα οτι).. oeen switched off, unplugged and any water supply
- Do not disconnect any water hose until the drill has ·g
- . gamaa .4
- Ensure adequate water flow to the core drill when
- supplied water collection equipment, use it. ter can drain away safely. If the hire company лем ан
- Ensure the wastewater will not cause damage. Uneck 3 of clean water either from the mains of a water tank
- It using water as a coolant, ensure an adequate supply .S usually with a vacuum dust extraction system.
- used 'dry', that is, used without water as a coolant, Hand held diamond drills are designed primarily to be TNAJOOD A SA HATAW

- increase the depth that the core drill can penetrate. of the core drill/machine combination. This does not Extension bars can be used to extend the overall length -8
- .pnol ("81) mm004 drilled right through. Core drills are available up to
- the brick or masonry remains inside the core drill until Ensure the core drill is long enough to go right through the wall or floor to be drilled. Remember the 'core' of -7
- core bit; this pilot bit can be just pulled from the core 3 shank, with a drive peg that locates in the slot in the
 - The pilot bit may have a larger diameter boss on the special drill tool to remove it.
 - тие bliot bit шау паче а тарег snank and will require а .c

Betore Starting Work...

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read all of this leaflet BEFORE you use the Diamond Drilling Machine

HAND HELD

- 1. Electricity can be hazardous and must always be used with great care. Plan how to tackle the job and try to foresee any problems that
- may occur in order to work safely around them. This diamond drilling machine may cause injury to persons or damage property if it is not handled and used carefully and properly.

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the hold has a good start. The rest of the core can be

The pilot bit should be removed from the core bit once

Larger core drills use a pilot drill within the core bit to

διяде cole drills as recommended by the hile

Diamond core drills are designed either for 'dry' use or

Switch the diamond drilling machine off and unplug it

ου τυς αιαποπα-απιιηση πιαςπιπς, κποω ποω το stop it

Ensure you understand the controls. Before switching

be a dust extraction head or water coolant adaptor that

On some diamond drilling machines there will either

Most hand-held diamond core drilling machines can

up to 150mm (6"). Do not attempt to drill large holes unless confident the machine can be controlled with

drills, a slower speed should be used when using

Though higher speeds can be used with smaller core

the drilling. More pressure on the trigger will increase

ειολιλ τι της trigger is squeezed gentiy in order to start

sensitive trigger that allows the core drill to rotate

operate at more than one speed. Some have a speed

Most hand-held diamond core drilling machines

will have either a normal square pin plug titted or a

and held drill is suitable for use with core drills

the settings are correct before commencing work.

be set to rotate clockwise or anti-clockwise. En

tits between the machine and the core drill bit.

e with water as a coolant. Use only the correct

See the

section headed "Water as a coolant" below.

company for the material being drilled.

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- If you have not used a diamond drilling machine before, you should seek some instruction from a 4. competent person, and take the time to familiarise yourself with the equipment before you start work.
- If using water to cool the core drill and to clear the dust and particles, ensure the electrical parts and connections do not get wet.
- This hand held diamond drilling machine is designed to drill large diameter holes through masonry, brick and concrete in walls and floors.
- The following items of personal protective equipment must be worn: Impact Resistant goggles; dust mask - minimum of FFP3(s) protection; ear muffs or plugs giving protection at the ear for levels up to 80 dB(A); suitable protective gloves; rcd if using a 230/240volt (mains) supply.
- This machine must not be used by minors or by anyone under the influence of drugs or alcohol. 8
- g This diamond drilling machine is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using the machine



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quiled without the pilot bit.

keep it central while starting.

before changing the core drill.

the increased torque.

plue industrial plug.

arger diameter core drills.

the rotational speed of the core drill.



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> κιστητές αθαιστία το τως απέςτην πόπο 230ν παιτα to move it about - it may be heavier than it looks supplied, take care not to injure yourself when trying If a portable transformer has been -fudd ns v0£2 зивил вилон в тол элизали это тэмор от разират company will have provided a portable transformer if are designed to run off a special 110v supply. The hire Machines with a cylindrical yellow industrial plug fitted

υοι πλ το τοιςε connections or improvise them. Check the plug on the machine matches the supply. Do z

use the diamond drilling machine - contact the hire Check the drilling machine, cable, plug and all other equipment. If anything is found to be damaged do not ЭИНЭАМ ЭИІЛІЯД ФИОМАІД

- vear appropriate personal protective equipment. Anyone who is working close-by will also need to ·g dust mask (minimum FFP3(s) protection) must be worn to protect from dust particles, etc.
- If water is not being used as a coolant an appropriate give protection at the ear.
- ot mow ed teum splugs must be worn to This machine is likely to cause noise levels up to 80 .5 with this machine
- Impact resistant goggles must be worn when working .2 nay require a higher level of protection.
- (PPE) are the minimum that should be worn whenever this machine is used. Particular jobs or environments The following items of personal protective equipment **SHOTARAGO**
- pipes present where the drilling is taking place. Ensure there are no hidden electric cables or service ·c varn people of the danger.
- якопид тие "ргеактигоиди" zone and post a тоокоит то people may be present on the other side, erect barriers If the core drill is likely to break through a wall where
- others to keep away. Barrier off work area. Protect other people from the noise and debris. Warn 3 is close-by or could cause distraction.
- Make sure the area is clear and safe and that no-one .S berroi or gas cylinders.
- is a danger of explosion. It will ignite tumes from Do not use this diamond drilling machine where there АЗНА ХНОМ

Useful Reference Points • www.hae.org.uk/businessguard

Selaso socket. Do not use any 230v extension transformer directly into the 230 volt If using a portable transformer plug the 110 ΛΟΓΙ ΕΟΠΙЬΜΕΝΙ (ΧΕΓΓΟΜ ΒΓΠΩ)



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Diamond Drilling Machine – Hand Held